

Common Names of Stoneflies (Plecoptera) from the United States and Canada

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Introduction

Stoneflies are one of the important and often dominant orders of insects in North American stream ecosystems. They have remained generally poorly known to nonspecialists because of their cryptic habits, and often nocturnal activity. Larger species, or those that are colorful or important to flyfishers, have acquired regional or local names that vary from place to place. Names such as blacks, browns, greens, yellows, rollwings, needleflies, broadbacks, sallies, olives, stones, willowflies, or the generic names *Acroneuria*, *Isoperla*, *Pteronarcys* and others have become firmly established in fly fishing literature, and are used by flyfishers.

The following list of recommended common names of Plecoptera species from the United States and Canada was originally formulated by us, acting as a subcommittee of the North American Benthological Society Scientific and Common Names Committee. This committee was charged with producing comprehensive species checklists of North American aquatic invertebrates, including insects with assigned common names. The first of the intended series of special publications by the American Fisheries Society of scientific and common names of U.S. aquatic invertebrates was of mollusks (Turgeon et al., 1988); the volumes on Insecta never followed. Our list is therefore provided because of the importance of stoneflies in aquatic ecosystems, and in an attempt to standardize common names for use by flyfishers and other individuals.

The more established vernacular names needleflies (Leuctridae), willowflies (Taeniopterygidae), stones (Perlidae), and salmonflies (Pteronarcyidae) were retained, and names that are descriptive of the morphology, habitat, ecology or represent less frequently used previous names of species were selected for the remaining families: snowflies (Capniidae), forestflies (Nemouridae), sallflies (Chloroperlidae), roachflies (Peltoperlidae), and springflies (Perlodinae; Perlodidae). The first name of each species was coined as an adjective modifier of the common family name, and is descriptive of the river system, geographic distribution, abundance, size, color, or other morphological character, emergence season, or person associated with the species. Selection of names largely followed 17 American Fisheries Society principles (Turgeon et al., 1988) governing the selection of common names.

The distributional ranges of stoneflies and other aquatic insects vary from local endemics to widespread transcontinental distribution. For this reason, it was decided by the committee that one or more acronyms from the following coded list was necessary to convey a good picture of the occurrence of each species adequately.

Occurrence

NE	West Virginia, Kentucky northward
MW	Ohio, Indiana, Illinois, Iowa, Wisconsin, Minnesota, and Great Plains states
SE	Carolinas, Tennessee southward and west to coastal plains of Louisiana, eastern Texas
E	wider eastern, where there are some populations from both the Northeast and Southeast (including Appalachian Mountains)
O	Ozark endemics
NW	northern California northward (including Northern Rockies, Coastal, and Cascade Mountains)
SW	extreme southern California eastward to New Mexico, Arizona, and west Texas
W	wider western where there are some populations from both the Northwest and Southwest
M	Mexico

Scientific Name	Occurrence	Common Name
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Order Plecoptera

Family Capniidae

Snowflies

Allocapnia

aurora Ricker 1952	E	Aurora Snowfly
brooksi Ross 1964	SE	Sevier Snowfly
cunninghami Ross & Ricker 1971	E	Karst Snowfly
curiosa Frison 1942	E	Peculiar Snowfly
forbesi Frison 1929	E, MW	Three-knobbed Snowfly
frisoni Ross & Ricker 1964	E, MW	Evansville Snowfly
frumi Kirchner 1982	SE	Monongahela Snowfly
fumosa Ross 1964	E	Smokies Snowfly
granulata (Claassen) 1924	E, MW	Common Snowfly
harperi Kirchner 1980	NE	Stonyfork Snowfly
illinoensis Frison 1935	E, MW	Illinois Snowfly
indiana Ricker 1952	NE, MW	Indiana Snowfly
jeanae Ross 1964	O	Osage Snowfly
loshada Ricker 1952	E	Recurved Snowfly
malverna Ross 1964	SE	Gulf Snowfly
maria Hanson 1942	NE	Two-knobbed Snowfly
minima (Newport) 1851	E, MW	Boreal Snowfly
mohri Ross & Ricker 1964	O	Ouachita Snowfly
mystica Frison 1929	E, MW	Moraine Snowfly
nivicola (Fitch) 1847	E, MW	Brook Snowfly
ohioensis Ross & Ricker 1964	E, MW	Ohio Snowfly
oribata Poulton & Stewart 1987	O	Bowed Snowfly
ozarkana Ross 1964	O	Ozark Snowfly
pechumani Ross & Ricker 1964	NE	St. Lawrence Snowfly
peltoides Ross & Ricker 1964	O	Shield Snowfly
perplexa Ross & Ricker 1971	SE	Perplexing Snowfly
polemistis Ross & Ricker 1971	SE	Black Warrior Snowfly
pygmaea (Burmeister) 1839	E, MW, W	Pygmy Snowfly
recta (Claassen) 1924	E, MW	Eastern Snowfly
rickeri Frison 1929	E, MW	Midwest Snowfly
sandersoni Ricker 1952	O	Notched Snowfly
simmonsii Kondratieff & Voshell 1980	NE	Spatulate Snowfly
smithi Ross & Ricker 1971	SE, MW	Three-lobed Snowfly
stannardi Ross 1964	E	Blueridge Snowfly
tennessa Ross & Ricker 1964	SE	Tennessee Snowfly
unzickeri Ross & Yamamoto 1966	SE	Cumberland Snowfly
virginiana Frison 1942	E	Virginia Snowfly
vivipara (Claassen) 1924	E, MW	Shortwing Snowfly
warreni Ross & Yamamoto 1966	O	Arkansas Snowfly
wrayi Ross 1964	E	Pristine Snowfly
zola Ricker 1952	E	Ash Snowfly

Bolshhecapnia

gregsoni (Ricker) 1965	NW	Alpine Snowfly
maculata Jewett 1954	W	Spotted Snowfly
milami (Nebeker & Gaufin) 1967	NW	Glacier Snowfly

Scientific Name	Occurrence	Common Name
Bolshecapnia, continued.		
rogozera (Ricker) 1965	NW	Moosehorn Snowfly
sasquatchi (Ricker) 1965	NW	Sasquatch Snowfly
spenceri (Ricker) 1965	NW	Ice Snowfly
Capnia		
arapahoe Nelson & Kondratieff 1988	W	Arapahoe Snowfly
barberi Claassen 1924	W	Plumas Snowfly
californica Claassen 1924	W	California Snowfly
cheama Ricker 1965	NW	Cheama Snowfly
coloradensis Claassen 1937	W	Colorado Snowfly
confusa Claassen 1929	W	Widespread Snowfly
coyote Nelson & Baumann 1987	SW	Coyote Snowfly
decepta (Banks) 1897	W	Shortbeak Snowfly
elongata Claassen 1924	NW	Cascades Snowfly
erecta Jewett 1955	NW	Erect Snowfly
excavata Claassen 1924	NW	Saddleback Snowfly
fialai Nelson & Baumann	W	Humboldt Snowfly
giulianii Nelson & Baumann 1987	W	Whitney Snowfly
glabra Claassen 1924	W	Smooth Snowfly
gracilaria Claassen 1924	W	Slender Snowfly
hitchcocki Nelson & Baumann 1987	W	Arroyo Snowfly
hornigi Baumann & Sheldon 1984	W	Esmeralda Snowfly
inyo Nelson & Baumann 1987	W	Inyo Snowfly
jewetti Frison 1924	NW	Spring Snowfly
lacustra Jewett 1965	W	Lake Snowfly
licina Jewett 1954	NW	Bent Snowfly
lineata Hanson 1943	W	Straight Snowfly
mariposa Nelson & Baumann 1987	W	Mariposa Snowfly
melia Frison 1942	NW	Northwest Snowfly
mono Nelson & Baumann 1987	W	Mono Snowfly
nana Claassen 1924	W	Dwarf Snowfly
nearctica Banks 1918	NE, NW	Nearctic Snowfly
ophiona Nelson & Baumann 1987	W	Snakehead Snowfly
oregona Frison 1942	NW	Oregon Snowfly
palomar Nelson & Baumann 1987	SW	Palomar Snowfly
petila Jewett 1954	W	Thin Snowfly
pileata Jewett 1966	NW	Birdhead Snowfly
promota Frison 1937	NW	Pacific Snowfly
quadrituberosa Hitchcock 1958	W	Four-knobbed Snowfly
regilla Nelson & Baumann 1987	W	Royal Snowfly
saratoga Nelson & Baumann 1987	W	Saratoga Snowfly
scobina Jewett 1966	W	Rasp Snowfly
sequoia Nelson & Baumann 1987	W	Sequoia Snowfly
sextuberculata Jewett 1954	W	Six-knobbed Snowfly
shepardi Nelson & Baumann 1987	W	Yuba Snowfly
spinulosa Claassen 1937	W	San Gabriel Snowfly
teresa Claassen 1924	SW	Bernardino Snowfly
tumida Claassen 1924	NW	Swollen Snowfly
uintahi Gaufin 1964	W	Uintah Snowfly
umpqua Frison 1942	NW	Umpqua Snowfly
utahensis Gaufin & Jewett 1962	W	Utah Snowfly

Scientific Name	Occurrence	Common Name
Capnia, continued.		
valhalla Nelson & Baumann 1987	SW	Viking Snowfly
ventura Nelson & Baumann 1987	SW	Ventura Snowfly
vernalis (Newport) 1851	E,W	Belly Snowfly
willametta Jewett 1955	NW	Willamette Snowfly
yosemite Nelson & Baumann 1987	W	Yosemite Snowfly
zukeli Hanson 1943	W	Idaho Snowfly
Capnura		
anas Nelson & Baumann 1987	NW	Duckhead Snowfly
elevata (Frison) 1942	NW	Thicklimb Snowfly
fibula (Claassen) 1924	SW	Southwest Snowfly
intermontana Nelson & Baumann 1987	W	Intermountain Snowfly
manitoba (Claassen) 1924	NE, MW	Manitoba Snowfly
venosa (Banks) 1900	W	Falcate Snowfly
wanica (Frison) 1944	W	Rare Snowfly
Eucapnopsis		
brevicauda Claassen 1924	W	Shorttailed Snowfly
Isocapnia		
abbreviata Frison 1942	NW	Shortlimb Snowfly
agassizi Ricker 1942	NW	Agassiz Snowfly
crinita (Needham & Claassen) 1925	W	Hooked Snowfly
fraseri Ricker 1943	NW	Fraser Snowfly
grandis (Banks) 1907	W	Giant Snowfly
hyalita Ricker 1959	W	Hyalite Snowfly
integra Hanson 1907	NW	Alberta Snowfly
missouri Ricker 1959	W	Headwaters Snowfly
mogila Ricker 1959	NW	Irregular Snowfly
spenceri Ricker 1943	W	Chilliwack Snowfly
vedderensis (Ricker) 1943	W	Vedder Snowfly
Mesocapnia		
arizonensis (Baumann & Gaufin) 1969	SW	Arizona Snowfly
autumna (Baumann & Gaufin) 1969	NW	Autumn Snowfly
bakeri (Banks) 1918	SW	Pomona Snowfly
bergi (Ricker) 1965	NW	Yukon Snowfly
bulbosa Nelson & Baumann 1990	W	Bulbous Snowfly
frisoni (Baumann & Gaufin) 1970	MW, W	Plains Snowfly
lapwae (Baumann & Gaufin) 1970	W	Lapwai Snowfly
oenone (Neave) 1929	NW	Wine Snowfly
ogotoruka (Jewett) 1964	NW	Ogotoruk Snowfly
porrecta (Jewett) 1954	W	Stretched Snowfly
projecta (Frison) 1937	W	Spined Snowfly
sugluka (Ricker) 1965	NE	Sugluk Snowfly
variabilis (Klapalek) 1920	NW	Variable Snowfly
wernerii (Baumann & Gaufin) 1970	SW	Sabino Snowfly
yoloensis (Baumann & Gaufin) 1970	W	Yolo Snowfly
Nemocapnia		
carolina Banks 1938	E, MW	Southern Snowfly

Scientific Name	Occurrence	Common Name
Paracapnia		
angulata Hanson 1942	E, MW, W	Angulate Snowfly
disala (Jewett) 1962	NW	Dirty Snowfly
ensicala (Jewett) 1962	NW	Sword Snowfly
opis (Newman) 1839	E, MW	Northeastern Snowfly
oswegaptera (Jewett) 1965	NW	Clatsop Snowfly
Utacapnia		
columbiana (Claassen) 1924	NW	Columbian Snowfly
distincta (Frison) 1937	W	Distinctive Snowfly
imbera (Nebeker & Gaufin) 1965	NW	Scappoose Snowfly
labradora (Ricker) 1954	NE	Labrador Snowfly
lemoniana (Nebeker & Gaufin) 1965	W	Wasatch Snowfly
logana (Nebeker & Gaufin) 1965	W	Logan Snowfly
nedia (Nebeker & Gaufin) 1966	W	Boise Snowfly
poda (Nebeker & Gaufin) 1965	W	Gunnison Snowfly
sierra (Nebeker & Gaufin) 1965	W	Sierra Snowfly
tahoensis (Nebeker & Gaufin) 1965	W	Tahoe Snowfly
trava (Nebeker & Gaufin) 1965	W	Yellowstone Snowfly
Family Leuctridae — Leuctrinae		Needleflies
Calileuctra		
dobryi Shepard & Baumann 1995	SW	Elsmere Needlefly
ephemera Shepard & Baumann 1995	NW	Napa Needlefly
Despaxia		
augusta (Banks) 1907	W	Smooth Needlefly
Leuctra		
alabama James 1974	SE	Alabama Needlefly
alexanderi Hanson 1941	E	Anakeesta Needlefly
alta James 1974	SE	Alta Needlefly
baddecka Ricker 1965	NE	Maritime Needlefly
biloba Claassen 1923	E	Two-lobed Needlefly
carolinensis Claassen 1923	E	Carolina Needlefly
cottaquilla James 1974	SE	Tiny Needlefly
crossi James 1976	SE	Crossroads Needlefly
duplicata Claassen 1923	NE	Atlantic Needlefly
ferruginea (Walker) 1852	E, MW	Eastern Needlefly
grandis Banks 1906	E	Grand Needlefly
laura Hitchcock 1969	NE	Hampshire Needlefly
maria Hanson 1941	NE	Northeastern Needlefly
mitchellensis Hanson 1941	E	Mitchell Needlefly
moha Ricker 1952	SE	Blackwater Needlefly
monticola Hanson 1941	E	Mountain Needlefly
nephophila Hanson 1941	SE	Clouded Needlefly
paleo Poulton & Stewart 1991	O	Arkansas Needlefly
rickeri James 1976	E, MW	Spined Needlefly
sibleyi Claassen 1923	E, MW	Brook Needlefly
szczytkoi Stark & Stewart 1981	SE	Louisiana Needlefly

Scientific Name	Occurrence	Common Name
Leuctra, continued.		
tenella Provancher 1876	E, MW	Broad-lobed Needlefly
tenuis (Pictet) 1841	E, MW, O	Narrow-lobed Needlefly
triloba Claassen 1923	E	Three-lobed Needlefly
truncata Claassen 1923	NE	Truncate Needlefly
variabilis Hanson 1941	NE	Variable Needlefly
Moselia		
infuscata (Claassen) 1923	W	Hairy Needlefly
Paraleuctra		
andersoni Harper & Wildman 1985	NW	Oregon Needlefly
	divisa (Hitchcock) 1958	W California Needlefly
	forcipata (Frison) 1937	W Bullshorn Needlefly
jewetti Nebeker & Gaufin 1966	W	Slender Needlefly
occidentalis (Banks) 1907	W	Western Needlefly
purcellana (Neave) 1934	W	Purcell Needlefly
rickeri Nebeker & Gaufin 1966	W	Spruce Needlefly
sara (Claassen) 1937	E	Appalachian Needlefly
vershina Gaufin & Ricker 1974	W	Summit Needlefly
Perlomyia		
collaris Banks 1906	NW	Black Needlefly
utahensis Needham & Claassen 1925	W	Utah Needlefly
Zealeuctra		
arnoldi Ricker & Ross 1969	SW	Plateau Needlefly
cherokee Stark & Stewart 1973	O	Cherokee Needlefly
claasseni (Frison) 1929	E, MW, O	Common Needlefly
fraxina Ricker & Ross 1969	E, MW	Ashcave Needlefly
hitei Ricker & Ross 1969	SW	Texas Needlefly
narfi Ricker & Ross 1969	MW, O	Northern Needlefly
warreni Ricker & Ross 1969	O	Early Needlefly
wachita Ricker & Ross 1969	O	Ouachita Needlefly
Family Leuctridae — Megaleuctrinae		Needleflies
Megaleuctra		
complicata Claassen 1937	NW	Pacific Needlefly
flinti Baumann 1973	NE	Shenandoah Needlefly
kincaidi Frison 1942	NW	Cascades Needlefly
sierra Fields 1977	W	Sierra Needlefly
stigmata (Banks) 1900	NW	Giant Needlefly
williamsae Hanson 1941	SE	Smokies Needlefly

Scientific Name	Occurrence	Common Name
Family Nemouridae — Amphinemurinae		Forestflies
Amphinemura		
alabama Baumann 1996	SE	Alabama Forestfly
apache Baumann & Gaufin 1972	SW	Apache Forestfly
appalachia Baumann 1996	SE	Appalachian Forestfly
banksi Baumann & Gaufin 1972	W	Rockies Forestfly
delosa (Ricker) 1952	E, MW	Eastern Forestfly
linda (Ricker) 1952	E, MW	Lovely Forestfly
mexicana Baumann 1972	M	Mexican Forestfly
mockfordi (Ricker) 1952	SE	Tennessee Forestfly
mogollonica Baumann & Gaufin 1972	SW	Mogollon Forestfly
nigritta (Provancher) 1876	E, MW	Little Black Forestfly
puebla Baumann 1972	M	Puebla Forestfly
reinerti Baumann 1976	M	Oriental Forestfly
texana Baumann 1996	SE	Texas Forestfly
varshava (Ricker) 1952	NE, MW	Warsaw Forestfly
venusta (Banks) 1911	M, SW	Window Forestfly
wui (Claassen) 1923	E	Spiked Forestfly
Malenka		
bifurcata (Claassen) 1923	W	Forked Forestfly
biloba (Claassen) 1923	W, M	Two-lobed Forestfly
californica (Claassen) 1923	W	California Forestfly
coloradensis (Banks) 1897	W	Colorado Forestfly
cornuta (Claassen) 1923	NW	Horned Forestfly
depressa (Banks) 1898	W	Bluntlobe Forestfly
flexura (Claassen) 1923	W	Twisted Forestfly
marionae (Hitchcock) 1958	W	Sagehen Forestfly
perplexa (Frison) 1936	NW	Coast Forestfly
tina (Ricker) 1952	W	Tiny Forestfly
wenatchee (Ricker) 1965	NW	Wenatchee Forestfly
Family Nemouridae — Nemourinae		Forestflies
Lednia		
tumana (Ricker) 1952	W	Mist Forestfly
Nemoura		
arctica Esben-Petersen 1910	NE, NW	Arctic Forestfly
normani Ricker 1944	NW	Alaska Forestfly
rickeri Jewett 1971	NW	Nearctic Forestfly
spiniloba Jewett 1954	W	Spiny Forestfly
trispinosa Claassen 1923	NE, MW	Three-spined Forestfly
Ostrocerca		
albidipennis (Walker) 1852	E	Whitetailed Forestfly
complexa (Claassen) 1937	NE	Notched Forestfly
dimicki (Frison) 1936	NW	Hooked Forestfly
foersteri (Ricker) 1943	NW	Cascades Forestfly
prolongata (Claassen) 1923	NE	Bent Forestfly
truncata (Claassen) 1923	E, MW	Truncate Forestfly

Scientific Name	Occurrence	Common Name
Paranemoura		
claasseni Baumann 1996	NE	Boreal Forestfly
perfecta (Walker) 1852	E	Spotted Forestfly
Podmosta		
decepta (Frison) 1942	W	Least Forestfly
delicatula (Claassen) 1923	W	Delicate Forestfly
macdunnoughi (Ricker) 1947	NE	Maritime Forestfly
obscura (Frison) 1936	NW	Brown-veined Forestfly
weberi (Ricker) 1950	NW	Holarctic Forestfly
Prostoia		
besametsa (Ricker) 1943	W	Banded Forestfly
completa (Walker) 1852	E, MW, O	Central Forestfly
hallasi Kondratieff & Kirchner 1984	NE	Swamp Forestfly
similis (Hagen) 1861	E, MW, O	Longhorn Forestfly
Shipsa		
rotunda (Claassen) 1923	E, NW, O	Intrepid Forestfly
Soyedina		
carolinensis (Claassen) 1923	E	Carolina Forestfly
interrupta (Claassen) 1923	NW	Broken Forestfly
kondratieffi Baumann & Grubbs 1996	SE	Southeastern Forestfly
merritti Baumann & Grubbs 1996	NE	Powdermill Forestfly
nevadensis (Claassen) 1923	W	Nevada Forestfly
potteri (Baumann & Gaufin) 1971	NW	Idaho Forestfly
producta (Claassen) 1923	W	Knobbed Forestfly
vallicularia (Wu) 1923	E, MW	Valley Forestfly
washingtoni (Claassen) 1923	NE	Vernal Forestfly
Visoka		
cataractae (Neave) 1933	W	Cataract Forestfly
Zapada		
chila (Ricker) 1952	SE	Smokies Forestfly
cinctipes (Banks) 1897	W	Common Forestfly
columbiana (Claassen) 1923	W	Columbian Forestfly
cordillera (Baumann & Gaufin) 1971	W	Cordilleran Forestfly
frigida (Claassen) 1923	W	Frigid Forestfly
glacier (Baumann & Gaufin) 1971	NW	Glacier Forestfly
haysi (Ricker) 1943	W	Intermountain Forestfly
katahdin Baumann & Mingo 1987	NE	Katahdin Forestfly
oregonensis (Claassen) 1923	W	Oregon Forestfly
wahkeena (Jewett) 1954	NW	Wahkeena Forestfly

Scientific Name	Occurrence	Common Name
Family Taeniopterygidae – Brachypteryginae		Willowflies
<i>Bolotoperla</i> rossi (Frison) 1942	E	Smoky Willowfly
<i>Doddsia</i> occidentalis (Banks) 1900	W	Western Willowfly
<i>Oemopteryx</i> contorta (Needham & Claassen) 1925	E	Dark Willowfly
fosketti (Ricker) 1964	W	Saskatoon Willowfly
glacialis (Newport) 1848	NE, MW	Canadian Willowfly
vanduzeeae (Claassen) 1937	W	Alpine Willowfly
<i>Strophopteryx</i> appalachia Ricker & Ross 1975	E	Appalachian Willowfly
arkansae Ricker & Ross 1975	O	Arkansas Willowfly
cucullata Frison 1934	O	Kiamichi Willowfly
fasciata (Burmeister) 1839	E, MW, O	Mottled Willowfly
inaya Ricker & Ross 1975	SE	Carolina Willowfly
limata (Frison) 1942	E	Newfound Willowfly
<i>Taenionema</i> atlanticum Ricker & Ross 1975	E	Atlantic Willowfly
californicum (Needham & Claassen) 1925	W	California Willowfly
grinnelli (Banks) 1918	W	Angeles Willowfly
jacobii Stanger & Baumann 1993	SW	Southwest Willowfly
jewetti Stanger & Baumann 1993	NW	Columbia Willowfly
kincaidi (Hoppe) 1938	NW	Pale Willowfly
oregonense (Needham & Claassen) 1925	NW	Oregon Willowfly
pacificum (Banks) 1900	W	Pacific Willowfly
pallidum (Banks) 1902	W	Common Willowfly
raynorium (Claassen) 1937	W	Yosemite Willowfly
uinta Stanger & Baumann 1993	W	Uinta Willowfly
umatilla Stanger & Baumann 1993	NW	Umatilla Willowfly
Family Taeniopterygidae – Taeniopteryginae		Willowflies
<i>Taeniopteryx</i> burksi Ricker & Ross 1968	E, MW, O	Eastern Willowfly
lita Frison 1942	E, MW, O	Small Willowfly
lonicera Ricker & Ross 1968	E	Honeysuckle Willowfly
maura (Pictet) 1841	E, MW, O	Spinyleg Willowfly
metequi Ricker & Ross 1968	E, MW, O	Shortwing Willowfly
nelsoni Kondratieff & Kirchner 1982	NE	Cryptic Willowfly
nivalis (Fitch) 1847	E, MW, W	Boreal Willowfly
parvula Banks 1918	E, MW, O, W	Hooked Willowfly
robinae Kondratieff & Kirchner 1984	SE	Savannah Willowfly
starki Stewart & Szczytko 1974	SW	Texas Willowfly
ugola Ricker & Ross 1968	E	Cumberland Willowfly

Scientific Name	Occurrence	Common Name
Family Chloroperlidae — Chloroperlinae		Sallflies
Alakaskaperla		
ovibovis (Ricker) 1965	NW	Alaska Sallfly
Alloperla		
acadiana Harper 1984	NE	Brunswick Sallfly
aracoma Harper & Kirchner 1978	NE	Aracoma Sallfly
atlantica Baumann 1974	E, MW	Atlantic Sallfly
banksi Frison 1942	NE, MW	Tufted Sallfly
biserrata Nelson & Kondratieff 1980	NE	Dusky Sallfly
caddo Poulton & Stewart 1987	O	Caddo Sallfly
caudata Frison 1934	NE, O	Ozark Sallfly
chandleri Jewett 1954	W	Mariposa Sallfly
chloris Frison 1934	NE, MW	Triangular Sallfly
concolor Ricker 1935	NE	Duckhead Sallfly
delicata Frison 1935	W	Delicate Sallfly
fraterna Frison 1935	NW	Cascades Sallfly
furcula Surdick 1981	SE	Blackwater Sallfly
hamata Surdick 1981	SE,O	Barbed Sallfly
idei (Ricker) 1935	E	Vernal Sallfly
imbecilla (Say) 1823	NE, MW	Ohio Sallfly
leonarda Ricker 1952	E,O	Truncate Sallfly
medveda Ricker 1952	W	Beartooth Sallfly
nanina Banks 1911	E	Swannanoa Sallfly
natchez Surdick & Stark 1980	SE	Natchez Sallfly
neglecta Frison 1935	E	Tennessee Sallfly
ouachita Stark & Stewart 1983	O	Ouachita Sallfly
pilosa Needham & Claassen 1925	W	Hairy Sallfly
roberti Surdick 1981	MW	Illinois Sallfly
serrata Needham & Claassen 1925	W	Sawtooth Sallfly
severa (Hagen) 1861	W	Western Sallfly
usa Ricker 1952	E, MW	Appalachian Sallfly
voinae Ricker 1948	NE	Lawrence Sallfly
vostoki Ricker 1948	NE	Scotia Sallfly
Bisancora		
pastina (Jewett) 1962	M, W	Antelope Sallfly
rutriformis Surdick 1981	SW	Scooped Sallfly
Haploperla		
brevis (Banks) 1895	E, MW, O	Least Sallfly
chilnualna (Ricker) 1952	W	Yosemite Sallfly
chukcho (Surdick & Stark) 1980	SE	Loess Sallfly
orpha (Frison) 1937	NE, MW	Quadrangle Sallfly
Neaviperla		
forcipata (Neave) 1929	NW	Forceps Sallfly
Plumiperla		
diversa (Frison) 1935	W	Margined Sallfly
spinosa (Surdick) 1981	W	Spiny Sallfly

Scientific Name	Occurrence	Common Name
Rasvena		
terna (Frison) 1942	E	Vermont Sallfly
Suwallia		
autumna (Hoppe) 1938	W	Autumn Sallfly
dubia (Frison) 1935	W	Pale Sallfly
lineosa (Banks) 1918	W	Lined Sallfly
marginata (Banks) 1897	NE, MW	York Sallfly
pallidula (Banks) 1904	W	Yellow Sallfly
sierra Baumann & Bottorff 1997	W	Sierra Sallfly
wardi Kondratieff & Kirchner 1991	W	Larimide Sallfly
Sweltsa		
adamantea Surdick 1995	NW	Washington Sallfly
albertensis (Needham & Claassen) 1925	NW	Alberta Sallfly
borealis (Banks) 1895	W	Boreal Sallfly
californica (Jewett) 1965	W	Chico Sallfly
coloradensis (Banks) 1898	W	Colorado Sallfly
continua (Banks) 1911	W	Gabriel Sallfly
cristata Surdick 1995	W	Utah Sallfly
exquisita (Frison) 1935	NW	Exquisite Sallfly
fidelis (Banks) 1920	W	Mountain Sallfly
gaufini Baumann 1973	W	Utah Sallfly
holstonensis Kondratieff & Kirchner 1998	NE	Holston Sallfly
hondo Baumann & Jacobi 1984	SW	Taos Sallfly
lamba (Needham & Claassen) 1925	W	Rheocrene Sallfly
lateralis (Banks) 1911	E	Curved Sallfly
mediana (Banks) 1911	E	Carolina Sallfly
naica (Provancher) 1876	NE, MW	Northeastern Sallfly
occidens (Frison) 1937	NW	Alpine Sallfly
onkos (Ricker) 1925	E	Ontario Sallfly
oregonensis (Frison) 1935	NW	Oregon Sallfly
pacifica (Banks) 1895	W	Pacific Sallfly
pisteri Baumann & Bottorff 1997	W	Coastal Sallfly
pocahontas Kirchner & Kondratieff 1988	SE	Pocahontas Sallfly
resima Surdick 1995	W	California Sallfly
revelstoka (Jewett) 1955	NW	Canadian Sallfly
tamalpa (Ricker) 1952	W	Tamalpais Sallfly
townesi (Ricker) 1952	W	Sierra Sallfly
umbonata Surdick 1995	NW	Shasta Sallfly
urticae (Ricker) 1952	E	Hooked Sallfly
voshelli Kondratieff & Kirchner 1991	E	Virginia Sallfly
Triznaka		
pintada (Ricker) 1952	W	Rough Sallfly
signata (Banks) 1895	W	Striped Sallfly
Family Chloroperlidae — Paraperlinae		Sallflies
Kathroperla		
perdita Banks 1920	W	Longhead Sallfly
takhoma Stark & Surdick 1987	NW	Slenderhead Sallfly

Scientific Name	Occurrence	Common Name
Paraperla		
frontalis (Banks) 1902	W	Hyporheic Sallfly
wilsoni Ricker 1965	NW	Chilliwack Sallfly
Utaperla		
gaspesiana Harper & Roy 1975	NE	Gaspé Sallfly
sopladora Ricker 1952	W	Black Sallfly
Family Peltoperlidae		Roachflies
Peltoperla		
arcuata Needham 1925	E	Appalachian Roachfly
tarteri Stark & Kondratieff 1987	NE	Virginia Roachfly
Sierraperla		
cora (Needham & Smith) 1916	W	Giant Roachfly
Soliperla		
campanula (Jewett) 1954	NW	Hood Roachfly
fenderi (Jewett) 1955	NW	Rainier Roachfly
quadrispinula (Jewett) 1954	W	Four-spined Roachfly
sierra Stark 1983	W	Sierra Roachfly
thyra (Needham & Smith) 1916	W	California Roachfly
tillamook Stark 1983	NW	Tillamook Roachfly
Tallaperla		
anna (Needham & Smith) 1916	E	Piedmont Roachfly
cornelia (Needham & Smith) 1916	SE	Southeastern Roachfly
elisa Stark 1983	SE	Highlands Roachfly
laurie (Ricker) 1952	SE	Yellow Roachfly
lobata Stark 1983	NE	Lobed Roachfly
maria (Needham & Smith) 1916	E	Common Roachfly
Viehooperla		
ada (Needham & Smith) 1916	SE	Pallid Roachfly
Yoraperla		
brevis (Banks) 1907	W	Least Roachfly
mariana (Ricker) 1943	NW	Brown Roachfly
nigrisoma (Banks) 1948	W	Black Roachfly
siletz Stark & Nelson 1994	W	Coastal Roachfly
Family Perlidae — Acroneuriinae		Stones
Acroneuria		
abnormis (Newman) 1838	E, MW, W	Common Stone
arenosa (Pictet) 1841	E	Eastern Stone
arida (Hagen) 1861	E	Elegant Stone
carolinensis (Banks) 1905	E	Carolina Stone
evoluta Klapalek 1909	E, O	Constricted Stone

Scientific Name	Occurrence	Common Name
Acroneuria, continued.		
filicis Frison 1942	E, MW, O	Illinois Stone
flinti Stark & Gaufin 1976	NE	Manassas Stone
frisoni Stark & Baumann 1991	E, MW, O	Central Stone
hitchcocki Kondratieff & Kirchner 1988	SE	Kentucky Stone
internata (Walker) 1852	NE, MW, O	Lobed Stone
kosztarabi Kondratieff & Kirchner 1993	SE	Virginia Stone
lycorias (Newman) 1839	E, MW	Boreal Stone
ozarkensis Poulton & Stewart 1991	O	Ozark Stone
perplexa Frison 1937	E, MW, O	Enigmatic Stone
petersi Stark & Gaufin 1976	SE	Etowah Stone
Anacroneuria		
comanche Stark & Baumann 1987	SW	Comanche Stone
wipukupa Baumann & Olson 1984	SW	Redrock Stone
Attaneuria		
ruralis (Hagen) 1861	E, MW, O	Giant Stone
Beloneuria		
georgiana (Banks) 1914	SE	Georgia Stone
jamesae Stark & Szczytko 1976	SE	Cheaha Stone
stewarti Stark & Szczytko 1976	SE	Piedmont Stone
Calineuria		
californica (Banks) 1905	W	Western Stone
Doroneuria		
baumanni Stark & Gaufin 1974	W	Cascades Stone
theodora (Needham & Claassen) 1922	W	Montana Stone
Eccoptura		
xanthenes (Newman) 1838	E	Yellow Stone
Hansonoperla		
appalachia Nelson 1979	E	Appalachian Stone
cheaha Kondratieff & Kirchner 1996	SE	Alabama Stone
hokolesqua Kondratieff & Kirchner 1996	SE	Splendid Stone
Hesperoperla		
hoguei Baumann & Stark 1980	W	Banded Stone
pacifica (Banks) 1900	W	Golden Stone
Perlesta		
adena Stark 1989	MW	Adena Stone
baumanni Stark 1989	O	Darkwing Stone
bolukta Stark 1989	O	Truncate Stone
browni Stark 1989	O	Toothed Stone
cinctipes (Banks) 1905	MW	Plains Stone
decipiens Walsh (1862)	MW, SW, W	Widespread Stone
frisoni Banks 1948	SE	Blueridge Stone
fusca Poulton & Stewart	O	Tinted Stone
lagoi Stark 1989	SE	Gulf Stone

Scientific Name	Occurrence	Common Name
Perlesta, continued.		
nelsoni Stark 1989	SE	Pale Stone
nitida Banks 1948	NE	Tiny Stone
placida (Hagen) 1861	E, MW, O, W	Freckled Stone
shubuta Stark 1989	SE, O	Cloudy Stone
teaysia Kirchner & Kondratieff 1997	SE	Teays Stone
xube Stark & Rhodes 1997	MW	Pawnee Stone
Perlinella		
drymo (Newman) 1839	E, MW, O	Striped Stone
ephyre (Newman) 1839	E, MW, O	Vernal Stone
zwicky Kondratieff, et al. 1988	E, MW	Blackwater Stone
Family Perlidae — Perlinae		Stones
Agnetina		
annulipes (Hagen) 1861	E	Southern Stone
capitata (Pictet) 1841	E, MW	Northern Stone
flavescens (Walsh) 1862	E, O	Midwestern Stone
Claassenia		
sabulosa (Banks) 1900	W	Shortwing Stone
Neoperla		
carlsoni Stark & Baumann 1978	E,O	Spiny Stone
catharae Stark & Baumann 1978	NE, O	Slippery Stone
choctaw Stark & Baumann 1978	NE, O	Choctaw Stone
clymene (Newman) 1839	E, MW, SW	Coastal Stone
coosa Smith & Stark 1998	SE	Coosa Stone
coxi Stark 1995	SE	Homochitto Stone
falayah Stark & Lentz 1988	O	Curved Stone
gaufini Stark & Baumann 1978	MW	Ohio Stone
harpi Ernst & Stewart 1986	O	Arkansas Stone
harrisi Stark & Lentz 1988	SE	Amber Stone
mainensis Banks 1948	NE	Maine Stone
occipitalis (Pictet) 1841	SE	Atlantic Stone
osage Stark & Lentz 1988	O	Osage Stone
robisoni Poulton & Stewart 1986	O	Slender Stone
stewarti Stark & Baumann 1978	E, MW	Multispine Stone
Paragnetina		
fumosa (Banks) 1902	SE	Smoky Stone
ichusa Stark & Szczytko 1981	SE	Widcollar Stone
immarginata (Say) 1823	E	Beautiful Stone
kansensis (Banks) 1905	E, MW	Pallid Stone
media (Walker) 1852	E, MW	Embossed Stone

Scientific Name	Occurrence	Common Name
Family Perlodidae — Isoperlinae		Stripetails
Calliperla luctuosa (Banks) 1906	W	Coast Stripetail
Cascadoperla trictura (Hoppe) 1938	NW	Cascades Stripetail
Clioperla clio (Newman) 1839	E, MW, O	Clio Stripetail
Cosumnoperla hypocrena Szczytko & Bottorff 1987	W	Cosumnes Stripetail
Isoperla		
acula Jewett 1962	W	Fresno Stripetail
adunca Jewett 1962	W	Arroyo Stripetail
baumanni Szczytko & Stewart 1984	W	California Stripetail
bellona Banks 1911	SE	Smokies Stripetail
bifurcata Szczytko & Stewart 1979	NW	Forked Stripetail
bilineata (Say) 1823	E, MW	Two-lined Stripetail
burksi Frison 1942	E, MW, O	Banded Stripetail
conspicua Frison 1935	MW	Rare Stripetail
cotta Ricker 1952	NE, MW	Ontario Stripetail
coushatta Szczytko & Stewart 1976	E, O	Coushatta Stripetail
davisi James 1974	SE	Alabama Stripetail
decepta Frison 1935	NE, MW	Yellow Stripetail
decolorata (Walker) 1852	NW	Bearlake Stripetail
denningi Jewett 1955	W	Angeles Stripetail
dicala Frison 1942	E, MW	Sable Stripetail
distincta Nelson 1976	SE	Twisted Stripetail
emarginata Harden & Mickel 1952	MW	Crescent Stripetail
extensa Claassen 1937	MW	Nebraska Stripetail
francesca Harper 1971	NE	Northeastern Stripetail
frisoni Illies 1966	NE, MW	Wisconsin Stripetail
fulva Claassen 1937	W	Western Stripetail
fusca Needham & Claassen 1925	NW	Waterton Stripetail
gibbsae Harper 1971	NE	Quebec Stripetail
gravitans (Needham & Claassen) 1925	NW	Olympia Stripetail
holochlora (Klapalek) 1923	E	Pale Stripetail
irregularis (Klapalek) 1923	SW	Texas Stripetail
jewetti Szczytko & Stewart 1976	W	Grande Stripetail
katmaiensis Szczytko & Stewart 1979	NW	Katmai Stripetail
lata Frison 1942	E, MW	Dark Stripetail
longiseta Banks 1906	MW, W	Plains Stripetail
major Nelson & Kondratieff 1983	NE	Big Stripetail
marlynia (Needham & Claassen) 1925	E, MW	Midwestern Stripetail
marmorata Needham & Claassen 1925	W	Red Stripetail
maxana Harden & Mickel 1952	MW	Minnesota Stripetail
miwok Bottorff & Szczytko 1990	W	Miwok Stripetail
mohri Frison 1935	NE, MW, O	Illinois Stripetail
montana (Banks) 1898	NE	Montane Stripetail
mormona Banks 1920	M, W	Mormon Stripetail

Scientific Name	Occurrence	Common Name
Isoperla, continued.		
namata Frison 1942	NE, MW, O	Ozark Stripetail
nana (Walsh) 1862	E, MW	Least Stripetail
orata Frison 1942	E, MW	Colorless Stripetail
ouachita Stark & Stewart 1973	O	Ouachita Stripetail
petersoni Needham & Christenson 1927	W	Springs Stripetail
phalerata (Smith) 1917	W	Rockies Stripetail
pinta Frison 1937	M, W	Checkered Stripetail
quinquepunctata (Banks) 1902	M, W	Fivespot Stripetail
rainieri Jewett 1954	NW	Rainier Stripetail
richardsoni Frison 1935	NE, MW	Sterling Stripetail
roguensis Szczytko & Stewart 1984	NW	Rogue Stripetail
sagittata Szczytko & Stewart 1976	SE	Arrowhead Stripetail
signata (Banks) 1902	NE, MW	Transverse Stripetail
similis (Hagen) 1861	E	Black Stripetail
slossonae (Banks) 1911	NE, MW	Colorful Stripetail
sobria (Hagen) 1874	W	Colorado Stripetail
sordida Banks 1906	NW	Notched Stripetail
szczytkoi Poulton & Stewart 1987	O	Magazine Stripetail
tilasqua Szczytko & Stewart 1979	NW	Oregon Stripetail
transmarina (Newman) 1838	E, MW	Boreal Stripetail
Family Perlodidae — Perlodinae		Springflies
Arcynopteryx		
compacta (McLachlan) 1872	W, NE	Arctic Springfly
Baumannella		
alameda (Needham & Claassen) 1925	W	Alameda Springfly
Chernokrilus		
erratus (Claassen) 1925	W	California Springfly
misnomus (Claassen) 1925	W	Oregon Springfly
Cultus		
aestivalis (Needham & Claassen) 1925	W	Summer Springfly
decisus decisus (Walker) 1852	E, MW	Great Lakes Springfly
decisus isolatus (Banks) 1920	SE	Southern Springfly
pilatus (Frison) 1942	NW	Vedder Springfly
tostonus (Ricker) 1943	W	Toston Springfly
verticalis (Banks) 1920	E	Spiny Springfly
Diploperla		
duplicata (Banks) 1920	E	Two-lobed Springfly
kanawholensis Kirchner & Kondratieff 1984	NE	Kanawhole Springfly
morgani Kondratieff & Voshell 1979	NE	Virginia Springfly
robusta Stark & Gaufin 1974	NE, MW	Robust Springfly
Diura		
bicaudata (Linnaeus) 1758	NW	Lapland Springfly
knowltoni (Frison) 1937	W	Nearctic Springfly
nanseni (Kempny) 1900	NE	Arctic Springfly

Scientific Name	Occurrence	Common Name
Frisonia picticeps (Hanson) 1942	W	Painted Springfly
Helopicus bogaloosa Stark & Ray 1983 nalatus (Frison) 1942 subvarians (Banks) 1920	SE MW, O E	Masked Springfly Ozark Springfly Vernal Springfly
Hydroperla crosbyi (Needham & Claassen) 1925 fugitans (Needham & Claassen) 1925 phormidia Ray & Stark 1981 rickeri (Stark) 1984	MW, O MW, O SE SE	Early Springfly Austin Springfly Brownwater Springfly Tennessee Springfly
Isogenoides colubrinus (Hagen) 1874 doratus (Frison) 1942 elongatus (Hagen) 1874 frontalis (Newman) 1838 hansoni (Ricker) 1952 krumholzi (Ricker) 1952 olivaceus (Walker) 1852 varians (Walsh) 1862 zionensis Hanson 1949	W E, MW W NE, MW E MW NE, MW MW, SE W	Blackfoot Springfly Indiana Springfly Elongate Springfly Hudsonian Springfly Appalachian Springfly Michigan Springfly Olive Springfly Rock Island Springfly Zion Springfly
Kogotus modestus (Banks) 1908 nonus (Needham & Claassen) 1925	W W	Sickle Springfly Smooth Springfly
Malirekus hastatus (Banks) 1920 iroquois Stark & Szczytko 1988	E NE	Brook Springfly Iroquois Springfly
Megarcys irregularis (Banks) 1900 signata (Hagen) 1874 subtruncata Hanson 1925 watertoni (Ricker) 1952 yosemite (Needham & Claassen) 1925	NW W NW NW W	Rainier Springfly Larimide Springfly Truncate Springfly Glacier Springfly Yosemite Springfly
Oconoperla innubila (Needham & Claassen) 1925	SE	Hairy Springfly
Oroperla barbara Needham 1933	W	Gilltail Springfly
Osobenus yakimae (Hoppe) 1938	W	Yakima Springfly
Perlinodes aurea (Smith) 1917	W	Longgill Springfly

Scientific Name	Occurrence	Common Name
Pictetiella expansa (Banks) 1920	W	Autumn Springfly
Remenus bilobatus (Needham & Claassen) 1925 duffieldi Nelson & Kondratieff 1995 kirchneri Kondratieff & Nelson 1995	E SE	Lash Springfly Georgia Springfly Blueridge Springfly
Rickera sorptra (Needham & Claassen) 1925	W	Palestripe Springfly
Salmoperla sylvanica Baumann & Lauck 1987	NW	Bighead Springfly
Setvena bradleyi (Smith) 1917 tibialis (Banks) 1914 wahkeena Stewart & Stanger 1985	NW NW NW	Alberta Springfly Olympic Springfly Wahkeena Springfly
Skwala americana (Klapalek 1912) curvata (Hanson) 1942	W W	American Springfly Curved Springfly
Susulus venustus (Jewett) 1954	W	Beautiful Springfly
Yugus arinus (Frison) 1942 bulbosus (Frison) 1942	E E	Highlands Springfly Greenbrier Springfly
Family Pteronarcyidae		Salmonflies
Pteronarcella badia (Hagen) 1874 regularis (Hagen) 1874	W W	Least Salmonfly Dwarf Salmonfly
Pteronarcys biloba Newman 1838 californica Newport 1851 comstocki Smith 1917 dorsata (Say) 1823 pictetii Hagen 1873 princeps Banks 1907 proteus Newman 1838 scotti Ricker 1952	E W NE MW, NE, NW E, MW, O W E E	Knobbed Salmonfly Giant Salmonfly Spiny Salmonfly American Salmonfly Midwestern Salmonfly Ebony Salmonfly Appalachian Salmonfly Carolina Salmonfly

Literature Cited

Turgeon, Donna D., Arthur E. Bogan, Eugene V. Coan, William K. Emerson, William G. Lyons, William L. Pratt, Clyde F. E. Roper, Amelie Scheltema, Fred G. Thompson, and James D. Williams. 1988. Common and scientific names of aquatic invertebrates from the United States and Canada: mollusks. American Fisheries Society Special Publication 16. American Fisheries Society. Bethesda, Maryland. 277 p.